PATENT COOPERATION TREATY

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REC'D. 0 4 NOV 2004

INTERNATIONAL PRELIMINARY EXAMINATION REPORTS

PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference				
43000.014810	FOR FURTHER ACTION	Preliminary Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (daylmo.	nth/year) Priority date (day/month/year)		
PCT/US03/12225	17 April 2003 (17.04.2003)	17 April 2002 (17.04.2002)		
International Patent Classification (IPC)	or national classification and IPC	1 17 April 2002 (17.04.2002)		
IPC(7): C12N 15/864, 7/00, 7/01, 5/10;	A61K 48/00 and US CT + 435/220	.1, 325, 366, 69.1, 455, 456, 457; 424/93.1, 93.2, 93.6		
Applicant		.1, 325, 366, 69.1, 455, 456, 457; 424/93.1, 93.2, 93.6		
UNIVERSITY OF FLORIDA				
This international preliming Examining Authority and is	ary examination report has been	n prepared by this International Preliminary		
Examining Authority and is transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of $\frac{1}{2}$ sheets, including this cover sheet.				
_	1			
This report is also acco	ompanied by ANNEXES, i.e.,	sheets of the description, claims and/or drawings		
which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These amnexes consist of a	total of sheets.	EPO - DG 1		
This report contains indicati	ons relating to the following it	ems:		
		u 3. 12. 2004		
I Basis of the repor	t			
II Priority		(107)		
III Non-establishmen	t of report with regard to nove	ty, inventive step and industrial applicability		
IV Lack of unity of i	nvention	·		
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
		ng such statement		
- Solution documents chief				
application				
VIII Certain observations on the international application				
Date of submission of the demand	Date of	completion of this report		
13 November 2003 (13.11.2003)	14 Аиди	st 2004 (14.08.2004)		
Name and mailing address of the IPEA/US	Authoriz	and officer		
Commissioner for Patents	Mail Stop PCT, Atta: IPEA/US Commissioner for Patents Authorized officer			
P.O. Box 1450 Alexandria, Virginia 22313-1450	David Guzo — — — — — — — — — — — — — — — — — — —			
asimile No. (703) 305-3230 Telephone No. (703) 308-0196 / 0 /				
orm PCT/IPEA/409 (cover sheet)(July 1998)			

INTERNATIONAL PREL	IMINARY EXAMINATION REF	ימרצ
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International	application	No.
DOM #100-1-		

	101/0303/12223
I. Basis of the report	
1. With regard to the elements of the international application:*	
the international application as originally filed.	
the description:	
pages 1-189 as originally filed	
pages NONE filed with the demand	
The state is the state of	
the claims: pages 190-199 as originally filed	
The state of the s	
pages NONE , filed with the demand	under Article 19
pages NONE , filed with the letter of	•
the drawings:	•
pages 1-10 , as originally filed	
pages NONE, filed with the demand pages NONE, filed with the letter of	
the sequence listing part of the description:	
pages NONE as originally filed	
pages NONE filed with the demand	
pages NONE filed with the letter of	
2. With regard to the language, all the elements marked above were availa language in which the international amplication was filed prices of the control of	ible or furnished to this Authority in the
These elements were available or furnished to this Authority in the follow	wing language which ice
the language of a translation furnished for the purposes of internation	onal search (under Dule23 165)
the language of publication of the international application (under R	tule 48 3(b))
the language of the translation furnished for the purposes of internal 55.2 and/or 55.3).	tional preliminary examination(under Rules
 With regard to any nucleotide and/or amino acid sequence disclosed in international preliminary examination was carried out on the basis of the 	the international application, the
contained in the international application in printed form.	sequence listing:
filed together with the international application in computer readable	
furnished subsequently to this Authority in written form.	e form.
furnished subsequently to this Authority in Written form.	. 1
furnished subsequently to this Authority in computer readable form.	:
The statement that the subsequently furnished written sequence listin international application as filed has been furnished.	<u> </u>
The statement that the information recorded in computer readable for has been furnished.	rm is identical to the written sequence listing
The amendments have resulted in the cancellation of	
the description, pages NONE	
the claims, Nos. NONE	
the drawings, sheets/fig NONE	
. [] This report has been established as if (some of) the amendments had not been beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70	} 7/e\\ **
Replacement sheets which have been furnished to the receiving Office in response to is report as "originally filed" and are not annexed to this report since they do not co. * Any replacement sheet containing such amendments must be referred to under item	an invitation under Article 14 are referred to in
m PCT/IPEA/409 (Box I) (July 1998)	

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT	International application No.	
	PCT/US03/12225	
III. Non-establishment of opinion with regard to novelty, inventive s	tep and industrial applicability	
The question whether the claimed invention appears to be novel, to it to be industrially applicable have not been and will not be examined it		
the entire international application,		
Claims Nos. <u>35-43</u>		
because:		
the said international application, or the said claim Nos not require international preliminary examination (specify):	elate to the following subject matter which do	
the description, claims or drawings (indicate particular elements in that no meaningful opinion could be formed (specify):	below) or said claims Nos. <u>35-43</u> are so unclear	
Claims 35-43 will not be examined because they are dependent claims and are no entences of Rule 6.4(a).	t drafted in accordance with the second and third	
•		
the claims, or said claims Nos are so inadequately supported opinion could be formed.	by the description that no magning 6.1	
opinion could be formed.	· most bross over no meaningini	

the computer readable form has not been furnished or does not comply with the standard. Form PCT/IPEA/409 (Box III) (July 1998)

opinion could be formed.

no international search report has been established for said claims Nos. ___

the written form has not been furnished or does not comply with the standard.

A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

INTERNATIONAL PRELIMINARY	EXAMINATION REPORT
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International application No. PCT/US03/12225

citations and explanations supporting suc	i) with regan h statement	d to novelty, inventive step of	or industrial applicability;
1. STATEMENT			
Novelty (N)	Claims Claims	1-34 and 44-51	YES
	Cama	NONE	
Inventive Step (IS)	Claims Claims	1-34 and 44-51	YES
• • • •	Ciams	NONE	
Industrial Applicability (IA)		1-34 and 44-51	YES
	Claims 1	NONE	NO
It is noted that claims 4-7 and 11-13 were prosuitable sequence listing was not filed. However, becewith the demand, said claims were searched and Smith macromolecule complexes to deliver genes of interest a capsid proteins with an exogenous sequence and does reclaims 1-34 and 44-51 meet the criteria set of subject matter claimed can be made or used in industry NEW CITATIONS US 6,344,436 B1 (SMITH et al.) 05 February 2002, see	n et al. (US 6,3 to target cells. not teach or sup out in PCT Arti	44,436) is newly cited as teachin Smith et al. does not teach use o ggest the claimed invention. icle 33(4), and thus possess inchis	of the sequence listing was filed g generation and use of peptide- of AAV vectors having chimeric
m PCT/IPEA/409 (Box V) (July 1998)			